

Figure 4

Figure 1

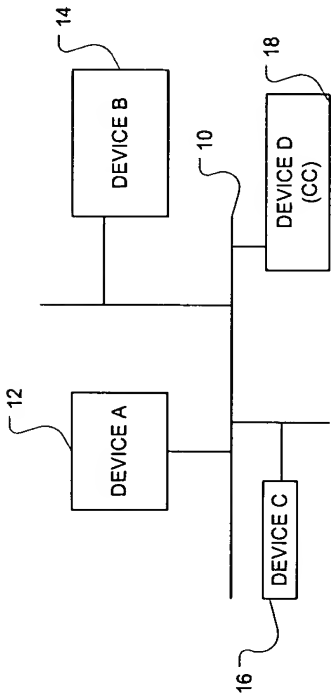
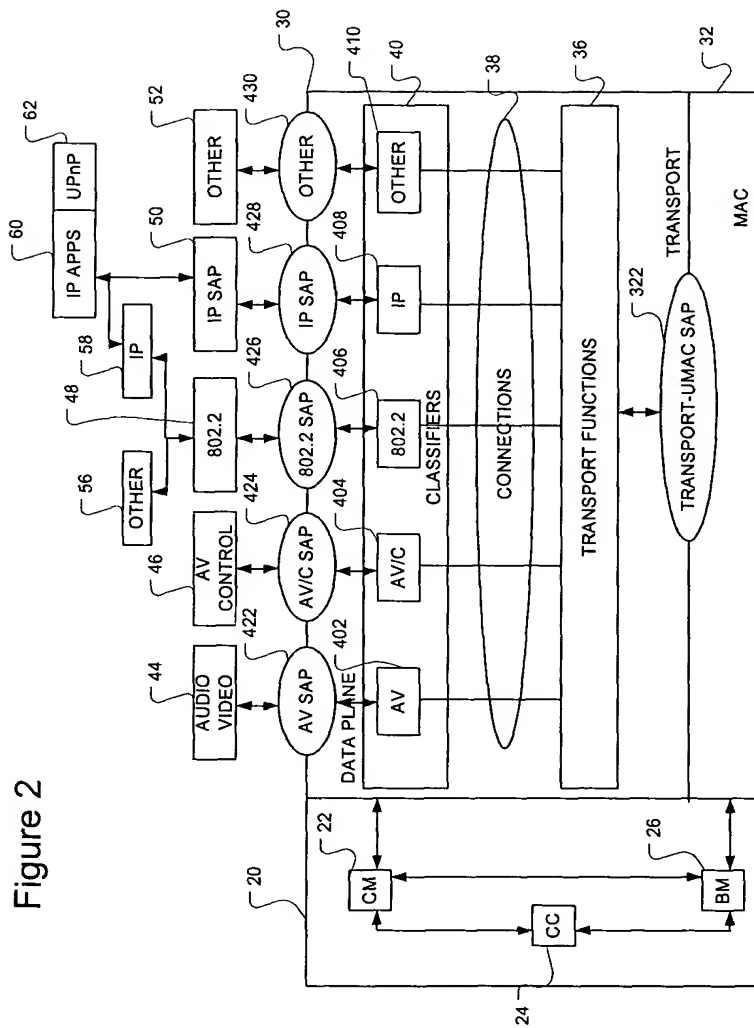


Figure 3

Figure 2



3/10

Figure 5

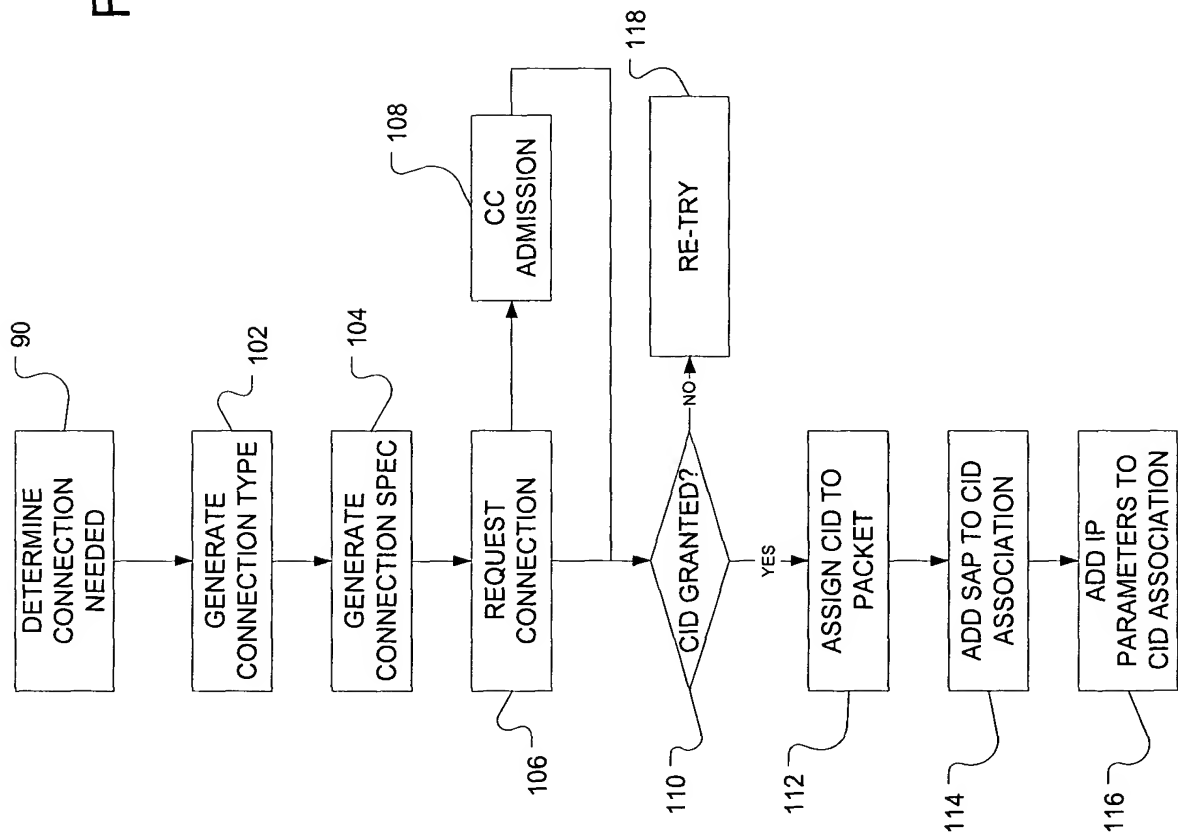


Figure 6a

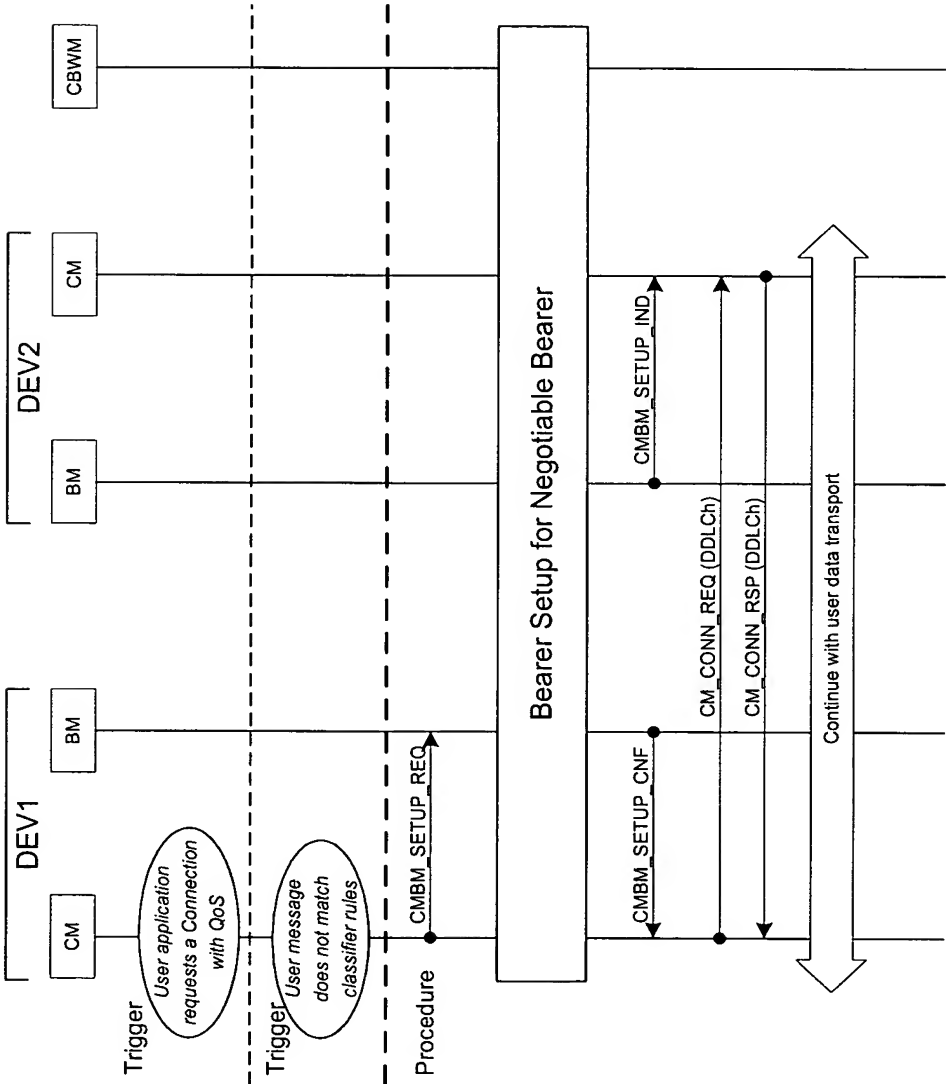


Figure 6b

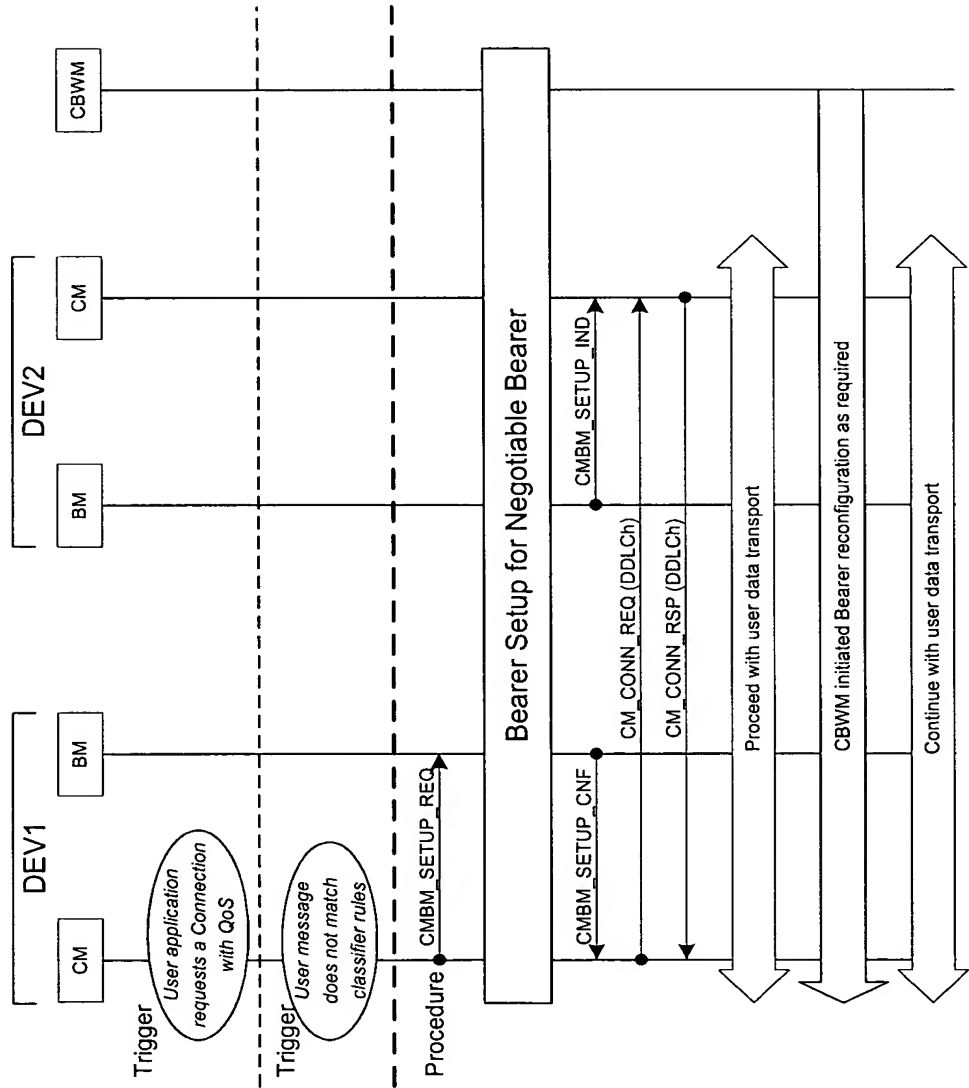
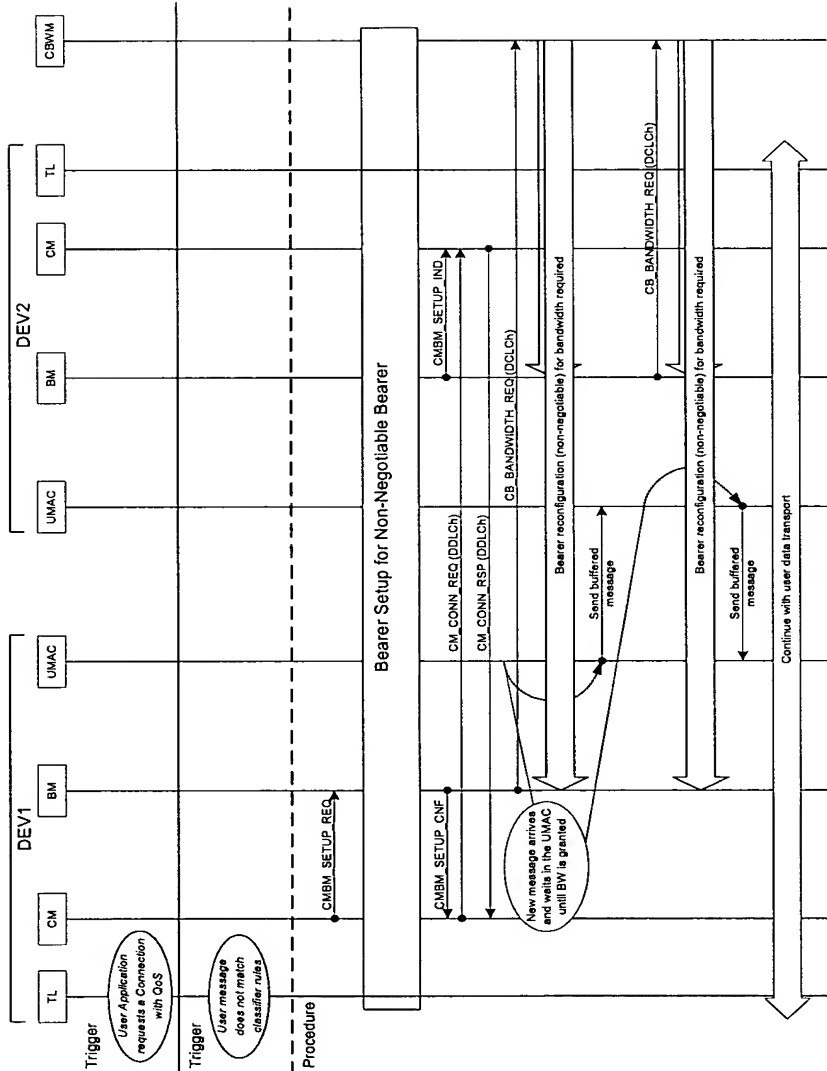


Figure 6c



```

sequenceDiagram
    participant DEV1 as DEV1
    participant DEV2 as DEV2
    participant CCo as CCo

    Note over DEV1: Trigger
    Note over DEV1: User Broadcast Message arrives in B-LMAC buffer
    Note over DEV1: Procedure
    Note over DEV1: New broadcast message waits in the UMAC and B-LMAC is granted

    DEV1->>DEV2: CB BANDWIDTH REQ (QCLCh)
    Note over DEV2: CB BANDWIDTH REQ (QCLCh)

    CCo->>DEV1: CCo transmits B-PFCH allocations to the DEV in the Beacon
    Note over DEV1: CCo transmits B-PFCH allocations to the DEV in the Beacon

    DEV1->>CCo: Send buffered broadcast message in the B-PFCH
    Note over CCo: Send buffered broadcast message in the B-PFCH
  
```

The diagram illustrates the sequence of messages for establishing a new multicast connection. The participants involved are AP, TL, CM, BM, DEV 1, DEV 2, DEV 3, DEV N, and CG. The process begins with a 'Trigger' event where the AP generates a CM-CONNECT-REQ. This request is sent to the CM, which then forwards it to the BM. The BM initiates a series of CB SETUP REQ and CB BEARER REQ messages to DEV 1, DEV 2, DEV 3, and DEV N. Each device responds with a CB BEARER CNF message. The BM then sends a CM-CONNECT-RSP to the CM, which forwards it to the AP. The AP then sends a CM-SETUP-REQ to the TL, which responds with a CM-SETUP-CNF. Finally, the AP sends a CM-ACCEPT-REQ to the CM, which forwards it to the BM. The process ends with a 'Data is transmitted over the new multicast connection' event.

9/10

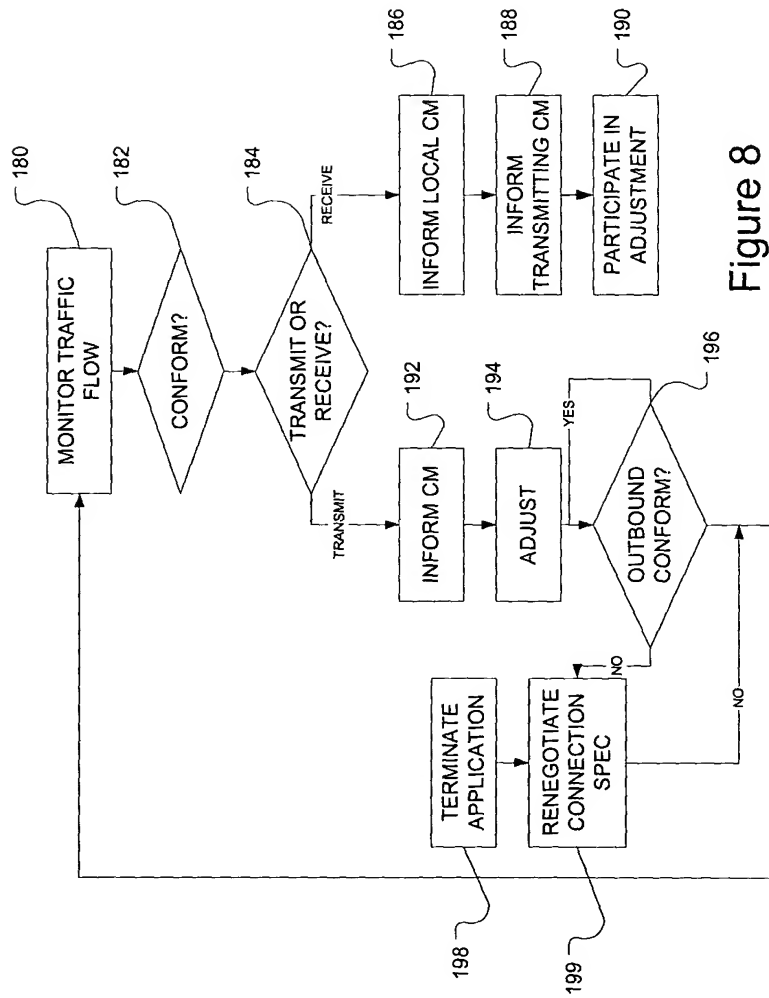


Figure 8

10/10

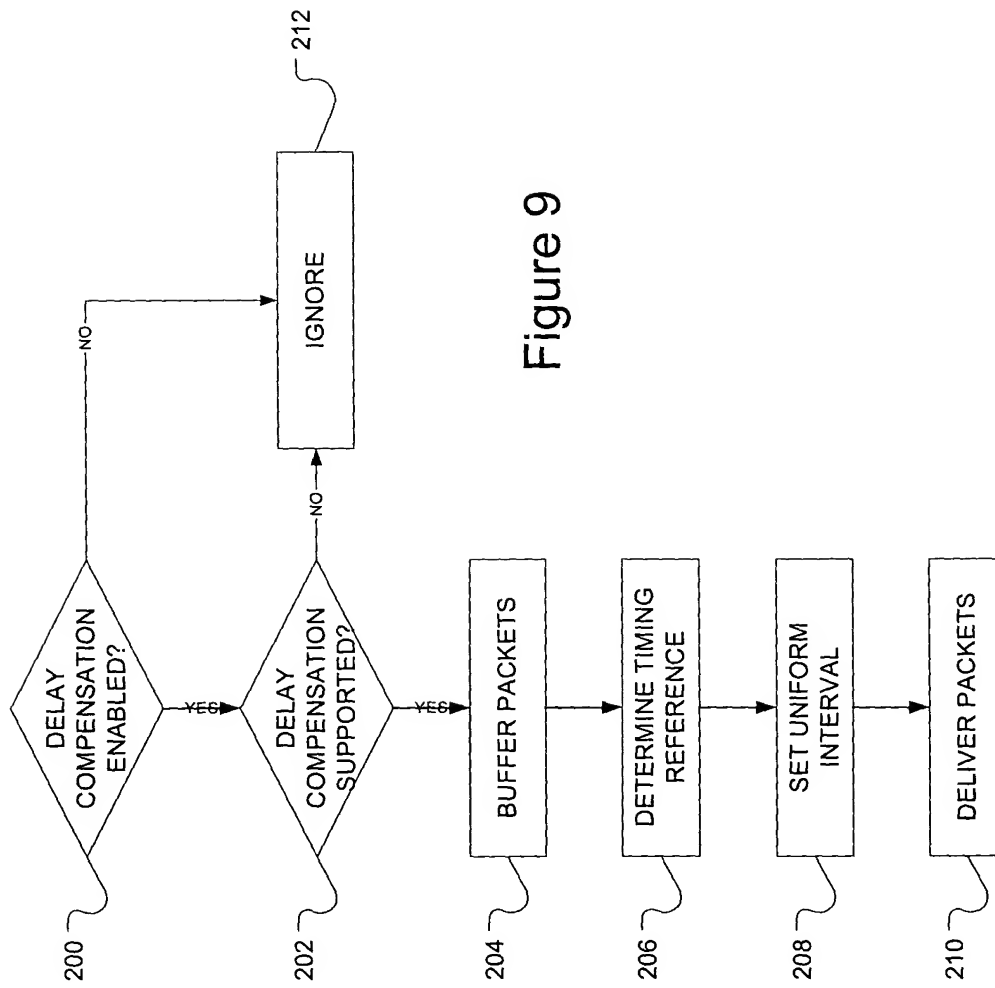


Figure 9